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USAF review completed.

ARMY review completed.

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PREPARED AND DISSEMINATED BY CENTRAL INTELLIGENCE AGENCY			
COUNTRY	Hungary		
SUBJECT Radio Sets and 100 KW Transmitter/ Location of Jamming Stations		DATE DISTRIBUTED 25 FEBRUARY 1954	25X1
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		SUPPLEMENT TO REPORT #	25X1

THIS IS UNEVALUATED INFORMATION

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1. The Voros Szikra radio plant is located at Polgar St 10, Budapest X (52.7N - 67.4E, sheet #1, M AMS M-973, 1:15,000). This plant presumably is controlled by Beloiannis. It produced these radio sets:

- a. A portable set (type unknown) designed for infantry and mechanized units at the platoon level. The range is about 40 km, power output 500 to 600 watts with eight transmitting tubes. The transmitter is master oscillator-controlled. The set operates on voice and continuous wave. With battery it weighs 8 to 10 kg. the power source is a 60-volt battery. In a shock test, this set has been dropped from a height of 10 meters and has continued to operate efficiently. (See attachment notice.)
- b. Vehicular radio set (type unknown) with a range of 80-120 km and a power output of 1 kw. It has 3 or 4 transmitting tubes and is master oscillator-controlled. It operates on voice or continuous wave. This set was installed directly behind the driver's seat, with a remote control unit extending to a small table in the area behind the radio set. (See attachment notice.) Sixty to 70% of the tubes installed in these radios burned out, constituting one of the set's several deficiencies. The tubes were made by Egyselt Izzo. Standard, now known as Beloiannis, up to 1955 made this set for export to the USSR.
- c. Normal monthly production of the portable set described in (a) was 300 to 400, with 600 to 700 maximum. Highest production was reached in March 1954, when the Army received the entire output except at the end of the first quarter, thus causing about 400 sets to be placed in a warehouse. Of the vehicular type described in (b), 40 were produced monthly, including the deficient sets. Thirty of these were installed each month in vehicles, and about 10 vehicles would return each month for repairs.

2. Voros Szikra also made 100 kw air-cooled short wave transmitters, designed for jamming as well as short wave transmission, for export to the USSR and China. Eight to 10 of these were manufactured each month. The approximate dimensions of this set are: 2 1/2 m high, 2 m wide, 1 m in depth. Each set

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consisted of five to six sections. Hungary at present is using about six of these sets as jamming stations.

Jamming Stations

3. There is a 100 kw jamming station near the narrow-gauge railway at Szabadsag Mountain in Buda. [redacted] six other jamming stations in this area (transmitter type unknown), arranged in a semi-circle 500 to 600 m apart. [redacted] the Beleianisz plant is manufacturing stations of this type. The area in which they are located is well guarded by AVH. 25X1
4. There is a Voros Szikra 100 kw jamming station /at 44.4N - 53.2E. sheet #3, AMS M 973, 1:15,000/. [redacted] This is a well-guarded station but can be seen from the air. Surrounding it is a two-meter Cyclone-type fence and the area is patrolled within a 100-meter radius. (See attachment for antenna sketch.) 25X1
5. [redacted] a jamming station /located at 55.7N - 62.3, sheet #3, AMS Series M-973 1:15,000/. At this location is the 24-story Oti building, and the transmitter, guarded by police, is on the 23rd and 24th floor. Unauthorized persons are not allowed above the 22nd floor. The antenna array easily can be seen from the air. 25X1
6. [redacted] a jamming station 300 to 400 m to the right of the Balatoni Road near Sosto Lake. (See attachment for antenna type.) [redacted] the location of this station at 04.4N - 27.3, sheet #5161W, AMS M-773, 1:50,000. 25X1

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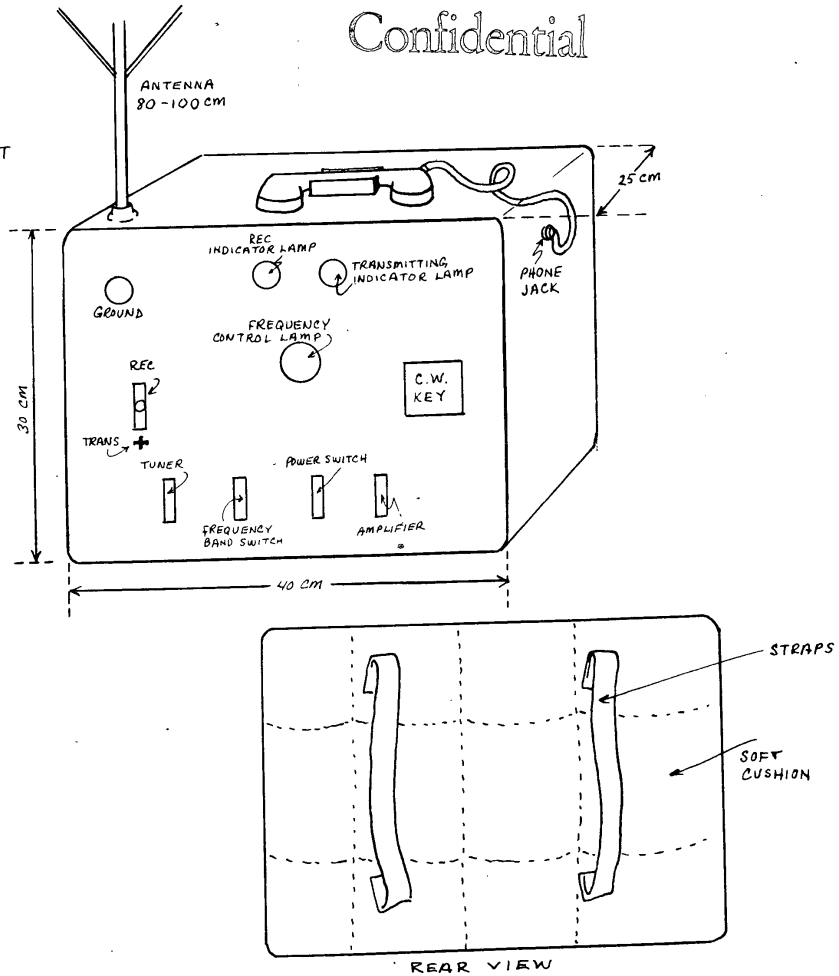
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ANNEX #1

PORTABLE RADIO SET
(TYPE UNKNOWN)



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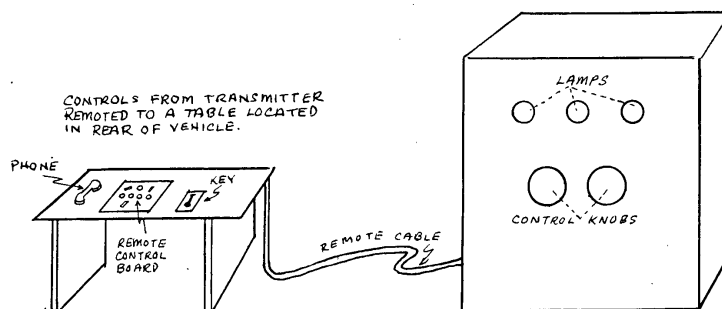
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ANNEX-2

SKETCH OF VEHICULAR TYPE RADIO SET

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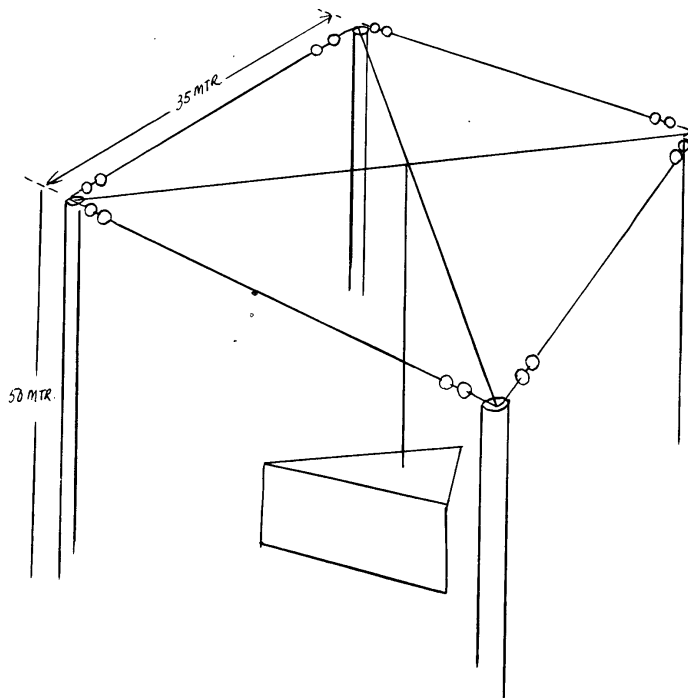
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ANNEX 3

ANTENNA ARRAY
FOR 100 KW TRANS. (POSSIBLE JAMMING)

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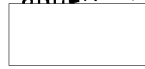


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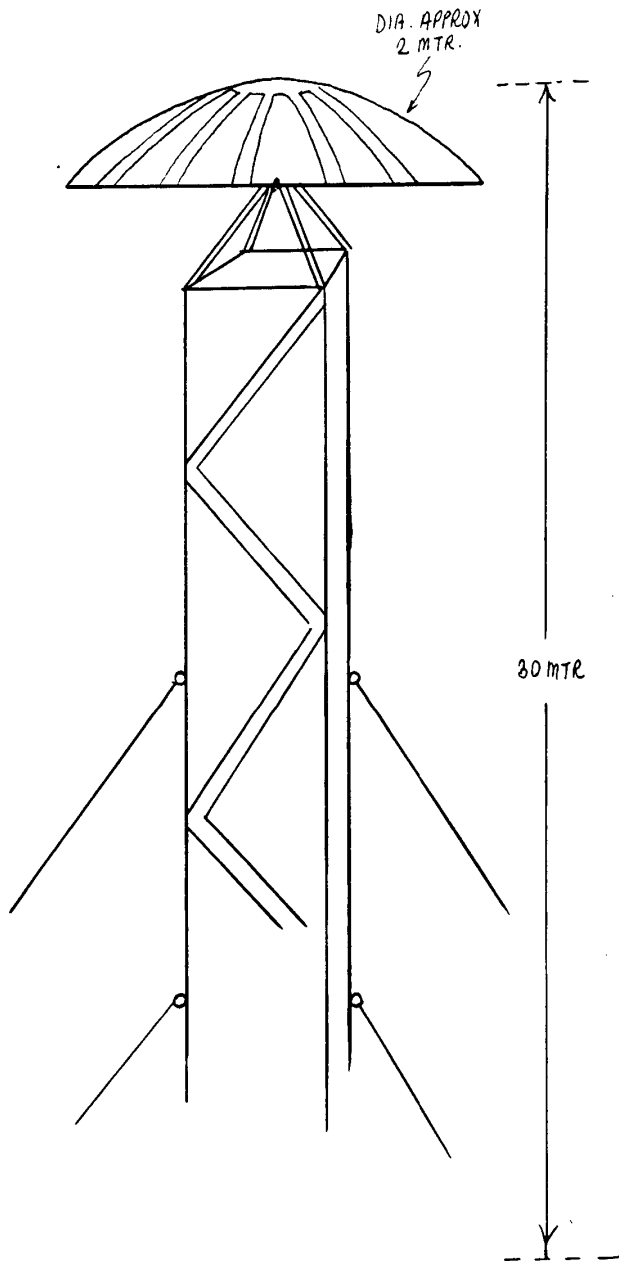
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ANNEX -4



JAMMING ANTENNA AT
SZABADSAG MOUNTAIN
IN BUDA.

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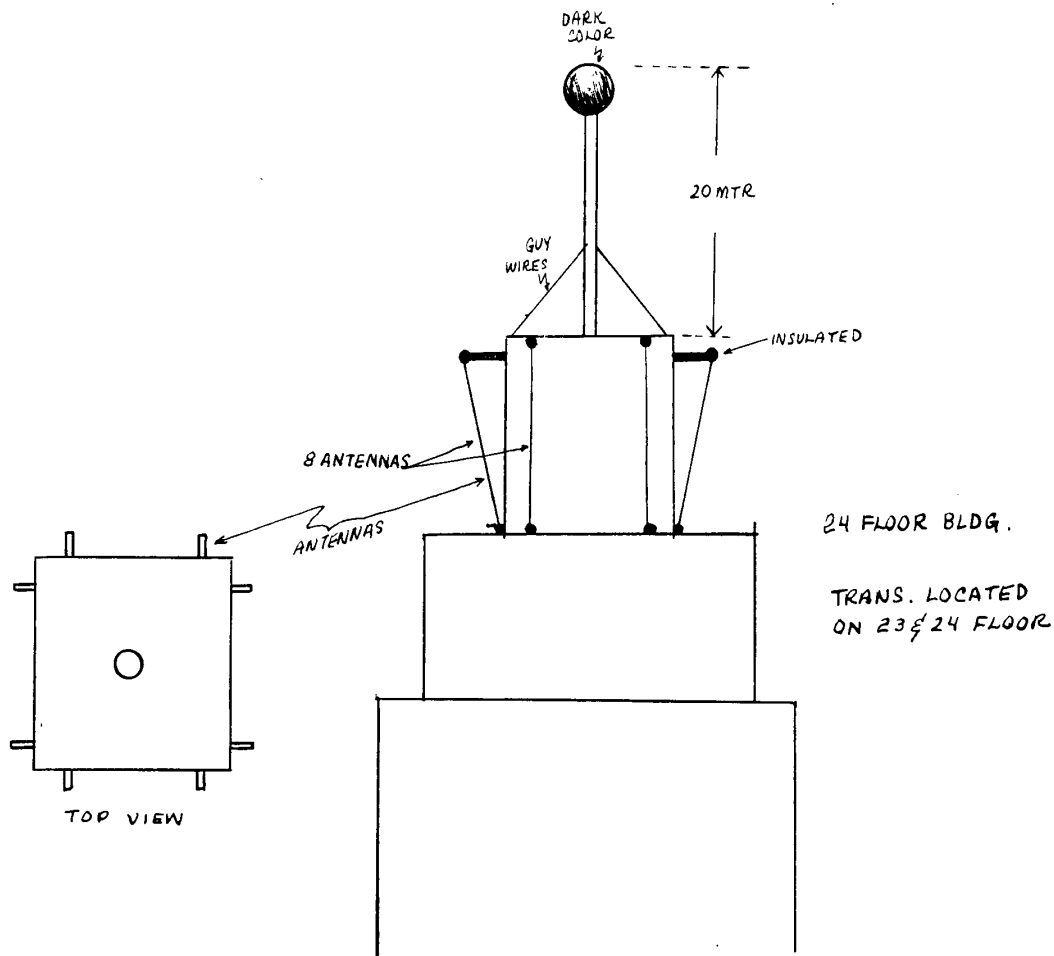
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ANNEX #5

JAMMING
ANTENNA LOCATED ON TOP OF
"OTI" BUILDING

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